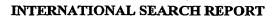
INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/14305

	SIFICATION OF SUBJECT MATTER .C1 ⁷ H01G4/33				
According	to International Patent Classification (IPC) or to both n	national classification and IPC			
B. FIELD	S SEARCHED				
Minimum d Int.	locumentation searched (classification system followed C1 H01G4/33	by classification symbols)			
Documenta	tion searched other than minimum documentation to th				
	uyo Shinan Koho 1922-1996 i Jitsuyo Shinan Koho 1971-2003				
Electronic d	lata base consulted during the international search (nan	ne of data base and, where practicable, sea	rch terms used)		
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
Y	JP 2000-169297 A (Sharp Corp	o.),	. 1-13		
	20 June, 2000 (20.06.00), Claims; Par. Nos. [0025] to (Family: none)	[0041]; Fig. 6			
	(ramily, none)				
Y	JP 07-245236 A (Rohm Co., Lt 19 September, 1995 (19.09.95 Par. Nos. [0038], [0040]; Fi & US 6052271 A1),	1-13		
Y	JP 10-294432 A (Sony Corp.), 04 November, 1998 (04.11.98) Par. Nos. [0031] to [0032]; (Family: none)	,	1-13		
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× Further	er documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents: "T" later document published after the international filing date or "A" document defining the general state of the art which is not					
conside	ent defining the general state of the art which is not red to be of particular relevance	priority date and not in conflict with th understand the principle or theory under			
"E" earlier of	document but published on or after the international filing	"X" document of particular relevance; the c considered novel or cannot be consider			
	ent which may throw doubts on priority claim(s) or which is	step when the document is taken alone			
special	establish the publication date of another citation or other reason (as specified)	considered to involve an inventive step	when the document is		
"O" docume	ent referring to an oral disclosure, use, exhibition or other	combined with one or more other such			
"P" docume					
Date of the a	Date of the actual completion of the international search Date of mailing of the international search report				
05 F	ebruary, 2004 (05.02.04)	17 February, 2004 (17.02.04)		
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Japanese Patent Office					
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International application No.
PCT/JP03/14305

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Ÿ	JP 08-306865 A (NEC Corp.), 22 November, 1996 (22.11.96), Claims; Par. Nos. [0002] to [0004], [0010] to [0013]; Figs. 1, 7 (Family: none)	1-13
Y	JP 2001-15382 A (Kyocera Corp.), 19 January, 2001 (19.01.01), Claims; Par. No. [0004] (Family: none)	1–13
Υ .	JP 07-106198 A (Matsushita Electric Industrial Co., Ltd.), 21 April, 1995 (21.04.95), Claims & US 5459635 A1	12
Y	JP 08-253324 A (Sumitomo Metal Mining Co., Ltd.), 01 October, 1996 (01.10.96), Claims; Par. Nos. [0012], [0017] (Family: none)	1-13
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